

ABSTRACT

RADIO COMMUNICATION SYSTEM

5 A radio communication system comprises a primary station which is
arranged to transmit a series of data packets to a secondary station which
operates according to an ARQ scheme for acknowledging correct reception of
each packet. The primary station transmits error correction information relating
to any packets that are not received correctly, thereby enabling the secondary
10 station to extract correctly the data. The data packets are transmitted via a
plurality of logical channels, so that an error in transmission of one packet
does not hold up transmission of packets in other channels. Transfer of data
transmission from one primary station to another is done by transferring each
channel when correct reception of a data packet on that channel has been
15 acknowledged, thereby avoiding the extra signalling required in transferring
logical channels in which a data packet has been received in error and the
error correction transmissions have not been completed.

20 (Figure 4)